

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Bart DE CORTE, *et al.*

Serial No.:

Filed: August 5, 2003

Examiner:

Art Unit:

For : HIV REPLICATION INHIBITING PYRIMIDINES

ASSOCIATE POWER OF ATTORNEY

Sir:

In the matter of the above-identified application, I hereby appoint

Jesús Juanós i Timoneda

Reg. No. 43,332

Whose postal address is One Johnson & Johnson Plaza, New Brunswick, New Jersey 08933-7003, my associate attorney to prosecute said application, to make alterations and amendments therein, to file continuing applications claiming the benefit of said application, to receive the patent and to transact all business in the Pate Office connected with said application.

I request all communications with respect to said application be addressed to Philip S. Johnson, One Johnson & Johnson Plaza, New Brunswick, New Jersey 08933-7003. All telephone calls should be directed to Jesús Juanós i Timoneda (732) 524-1513.

Signed at New Brunswick, in the County of Middlesex and State of New Jersey, this  
5th day of August, 2003.

Respectfully submitted,



Mary A. Appollonia

Reg. No. 34,087

Attorney for Applicant(s)

One Johnson & Johnson Plaza  
New Brunswick, NJ 08933-7003  
(732) 524-1513

Dated: August 5, 2003

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled HIV REPLICATION INHIBITING PYRIMIDINES, the specification of which

(check one) ☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as

Application Serial No. \_\_\_\_\_

and was amended on \_\_\_\_\_.  
(if applicable)

I hereby state that I have reviewed and understand the contents, of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119	
PCT	PCT/EP99/07417	September 24, 1999	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

60/107792

(Application Number)

11/10/98

(Filing Date)

60/143962

(Application Number)

7/15/99

(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.

Filing Date

Status

Application Serial No.

Filing Date

Status

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith as well as to file equivalent patent applications in countries foreign to the United States including the filing of international patent applications in accordance with the Patent Cooperation Treaty:

Audley P. Cerro, Jr. (Reg. #26,051), Steven P. Berman (Reg. #26,051), Andrea L. Colby (Reg. #30,194), Michael Stark (Reg. #30,194), and Mary A. Appollina (Reg. #34,087) One Johnson & Johns New Brunswick, NJ 08933.

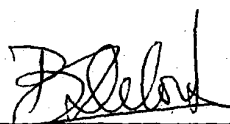
Address all telephone calls to Mary A. Appollina at telephone no. (732) 524-3472.

Address all correspondence to Audley A. Ciamporzero, Jr., One Johnson & Johnson Plaza, New Brunswick, NJ 08933-7003.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's Signature:

Full Name of Sole  
or First Inventor

  
Bart De Corte

Date: 6 December 1999

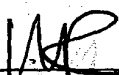
Citizenship: Belgium

Residence: 1590 Winding Road, Southampton, PA 18966

Post Office Address: Same As Above

Inventor's Signature:

Full Name of Second Joint  
Inventor, If Any

  
Marc Rene De Jonge

Date: 21 december 1999

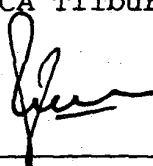
Citizenship: Netherlands

Residence: Hontenissestraat 3, 5045 CA Tilburg, Netherlands

Post Office Address: SAME AS ABOVE

Inventor's Signature:

Full Name of Third Joint  
Inventor, If Any

  
Jan Heeres

Date: 21 December 1999

Citizenship: Netherlands

Residence: Leemskuilen 18, B-2350-Vosselaar, Belgium

Post Office Address: SAME AS ABOVE

Inventor's Signature:  
Full Name of Sole  
or First Inventor

Chih Yung Ho  
Chih Yung Ho

Date: 6 December 1999

Citizenship: USA  
Residence: 600 Drinnon Way, Lansdale, PA 19446  
Post Office Address: Same As Above

Inventor's Signature:  
Full Name of Second Joint  
Inventor, If Any

Paul Adriaan Jan Janssen

Paul Adriaan Jan Janssen

Date: 21 December 1999

Citizenship: Belgium  
Residence: Antwerpsesteenweg 20, B2350 Vosselaar, Belgium  
Post Office Address: SAME AS ABOVE

Inventor's Signature:  
Full Name of Third Joint  
Inventor, If Any

Robert W. Kavash

Robert W. Kavash

Date: 6 December 1999

Citizenship: USA  
Residence: 148 N. Keswick Ave., Maple Glen, PA 19002  
Post Office Address: SAME AS ABOVE

Inventor's Signature:  
Full Name of Sole  
or First Inventor

Lucien Maria Henricus Koymans

Lucien Maria Henricus Koymans

Date: 21 December 1999

Citizenship: Netherlands  
Residence: Stationstraat 68 bus 4, B-2300 Turnhout, Belgium  
Post Office Address: Same As Above

Inventor's Signature:  
Full Name of Second Joint  
Inventor, If Any

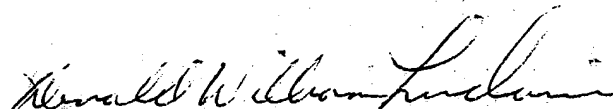
Michael Joseph Kukulka

Michael Joseph Kukulka KUKLA

Date: 6 December 1999

Citizenship: USA  
Residence: 1551 Oak Hollow Drive, Maple Glen, PA 19002  
Post Office Address: SAME AS ABOVE

Inventor's Signature:  
Full Name of Third Joint  
Inventor, If Any

  
Donald William Ludovici

Date: 6 December 1989

Citizenship: USA  
Residence: 1390 Masi Road, Quakertown, PA 18951  
Post Office Address: SAME AS ABOVE

Inventor's Signature:  
Full Name of Third Joint  
Inventor, If Any

  
Koen Jeanne Alfons Van Aken

Date: 21 December 1989

Citizenship: Belgium  
Residence: Tuinbouwstraat 22, bus 2, B-2300 Turnhout,  
Belgium  
Post Office Address: SAME AS ABOVE



3AP 1425

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APRIL 30, 2001

PTAS

JOHNSON & JOHNSON  
AUDLEY A. CIAMPORCERO JR., ESQ.  
CHIEF PATENT COUNSEL  
ONE JOHNSON & JOHNSON PLAZA  
NEW BRUNSWICK, NJ 08933-7003

**\*700004953A\***

\*700004953A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/18/2000

REEL/FRAME: 011516/0718

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

JANSSEN PHARMACEUTICA, INC

DOC DATE: 12/13/1999

## ASSIGNEE:

JANSSEN PHARMACEUTICA, N.V.  
TURNHOUTSEWEG 30  
B2340 BEERSE, BELGIUM

SERIAL NUMBER: 09430966

FILING DATE: 11/01/1999

PATENT NUMBER:

ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

# ASSIGNMENT

Joint Inventors  
JAB 1425-US

Serial No.: 09/430966  
Filed: November 1, 1999

WHEREAS, JANSSEN PHARMACEUTICA Inc., a corporation of New Jersey, having its place of business at 1125 Trenton-Harbourton Road., Titusville, NJ 08560 (hereinafter called "Assignors"), is an owner of application serial no. 09/430966, filed November 1, 1999, for a letters Patent in the United States, relating to

## HIV REPLICATION INHIBITING PYRIMIDINES

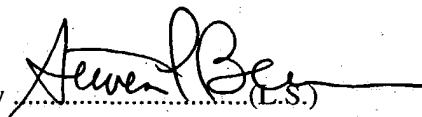
WHEREAS, JANSSEN PHARMACEUTICA N.V. a corporation of the State of Belgium, having its principal place of business at Turnhoutseweg 30, B-2340-BEERSE, Belgium (hereinafter called "Assignee"), is desirous of acquiring Assignor's entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for considerations to be determined by an agreement between Assignor and Assignee, said agreement to be concluded later, Assignor has sold, assigned, and transferred, and does hereby sell, assign and transfer unto said Assignee the entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof;

And for the consideration aforesaid, Assignor further covenants and agrees that he will, whenever requested, but without cost to him promptly communicate to said Assignee or its representatives any facts known to him relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be signed by its duly authorized officer and attested by its Secretary and its corporate seal to be affixed on this 13<sup>th</sup> day of DECEMBER, 1999.

JANSSEN PHARMACEUTICA Inc.

By  (L.S.)  
Steven Berman  
Assistant Secretary

Attest:  
By 

BE IT REMEMBERED, That on this 13 day of DECEMBER, 1999, before me, a Notary Public, personally appeared STEVEN P. BERMAN, who being by me duly sworn did depose and make proof to my satisfaction that he well knows the corporate seal of JANSSEN PHARMACEUTICA Inc., the corporation named in and which executed the foregoing Assignment; that the seal affixed thereto is the proper corporate seal of the said corporation; that the same was so affixed thereto and the said Assignment signed and delivered by S. BERMAN, who was at the date of execution thereof ASST. SECRETARY of said corporation, in the presence of the said deponent, as the voluntary act and deed of the said corporation, and that the said deponent thereupon signed the same as subscribing witness.

Subscribed and sworn before me at NEW BRUNSWICK, NJ, the date aforesaid.

  
Notary Public M. CHRISTINE PIATER



# ASSIGNMENT

*Joint Inventors*  
JAB 1425-US

Serial No.: 09/430966  
Filed : November 1, 1999

**WHEREAS, De Corte, Bart**, citizen of Belgium, residing at: 1590 Winding Road, PA 18966 Southampton, USA

**Ho, Chih Yung**, citizen of America, residing at: 600 Drinnon Way, PA 19446 Lansdale, USA

**Kavash, Robert W.**, citizen of America, residing at: 148 N. Keswick Avenue, PA 19038 Glenside, USA

**Kukla, Michael Joseph**, citizen of America, residing at: 1551 Oak Hollow Drive, PA 19002 Maple Glen, USA

**Ludovici, Donald William**, citizen of America, residing at: 1390 Masi Road, PA 18951 Quakertown, USA

(hereinafter called "Assignors"), have made jointly with

**de Jonge, Marc René**, citizen of The Netherlands, residing at: Hontenissestraat 3, 5045 CA Tilburg, Netherlands

**Heeres, Jan**, citizen of The Netherlands, residing at: Leemskuilen 18, B-2350 Vosselaar, Belgium

**Janssen, Paul Adriaan Jan**, citizen of Belgium, residing at: Antwerpsesteenweg 20, B-2350 Vosselaar, Belgium

**Koymans, Lucien Maria Henricus**, citizen of The Netherlands, residing at: Stationstraat 68 bus 4, B-2300 Turnhout, Belgium; and

**Van Aken, Koen Jeanne Alfons**, citizen of Belgium, residing at: Tuinbouwstraat 22, bus 2, B-2300 Turnhout, Belgium

certain new and useful inventions or discoveries relating to

## HIV REPLICATION INHIBITING PYRIMIDINES

for which they have on the 6 day of December, 1999, executed an application for Letters Patent of the United States; and

**WHEREAS, JANSSEN PHARMACEUTICA Inc.** a corporation of the State of New Jersey, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

**NOW, THEREFORE, BE IT KNOWN** that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 6 day of December, 1999.

Bart De Corte (L.S.)  
Bart De Corte

Chih Ho (L.S.)  
Chih Ho

Robert W. Kavash (L.S.)  
Robert Kavash

Michael J. Kukla (L.S.)  
Michael Kukla

Donald Ludovici  
Donald Ludovici

STATE OF Pennsylvania  
COUNTY OF Montgomery

BE IT REMEMBERED, That on this 6 day of December, 1999, before me, a Notary Public, personally appeared Bart De Corte, Chih Ho, Robert Kavash, Michael Kukla and Donald Ludovici who I am satisfied are the persons named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.

Notarial Seal  
Constance F. McStay, Notary Public  
Lower Gwynedd Twp., Montgomery County  
My Commission Expires April 24, 2000  
Member, Pennsylvania Association of Notaries

Constance F. McStay  
Notary Public

# ASSIGNMENT

Joint Inventors  
JAB 1425-US

Serial No.: 09/430966  
Filed: November 1, 1999

**WHEREAS, de Jonge, Marc René**, citizen of The Netherlands, residing at: Hontenissestraat 3, 5045 CA Tilburg, Netherlands

**Heeres, Jan**, citizen of The Netherlands, residing at: Leemskuilen 18, B-2350 Vosselaar, Belgium

**Janssen, Paul Adriaan Jan**, citizen of Belgium, residing at: Antwerpsesteenweg 20, B-2350 Vosselaar, Belgium

**Koymans, Lucien Maria Henricus**, citizen of The Netherlands, residing at: Stationstraat 68 bus 4, B-2300 Turnhout, Belgium; and

**Van Aken, Koen Jeanne Alfons**, citizen of Belgium, residing at: Tuinbouwstraat 22, bus 2, B-2300 Turnhout, Belgium

(hereinafter called "Assignors"), have made jointly with

**De Corte, Bart**, citizen of Belgium, residing at: 1590 Winding Road, PA 18966 Southampton, USA

**Ho, Chih Yung**, citizen of America, residing at: 600 Drinnon Way, PA 19446 Lansdale, USA

**Kavash, Robert W.**, citizen of America, residing at: 148 N. Keswick Avenue, PA 19038 Glenside, USA

**Kukla, Michael Joseph**, citizen of America, residing at: 1551 Oak Hollow Drive, PA 19002 Maple Glen, USA

**Ludovici, Donald William**, citizen of America, residing at: 1390 Masi Road, PA 18951 Quakertown, USA

certain new and useful inventions or discoveries relating to

## HIV REPLICATION INHIBITING PYRIMIDINES

for which they have on the 21 day of December, 1999, executed an application for Letters Patent of the United States; and

**WHEREAS, JANSSEN PHARMACEUTICA N.V.** a corporation of the State of Belgium, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

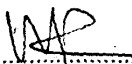
**NOW, THEREFORE, BE IT KNOWN** that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

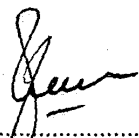
And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;


And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

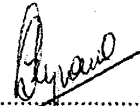
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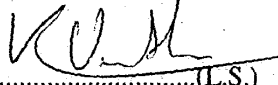
IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 21 day of December, 1999.

 (L.S.)  
Marc de Jonge

 (L.S.)  
Jan Heeres

 (L.S.)  
Paul Janssen

 (L.S.)  
Lucien Koymans

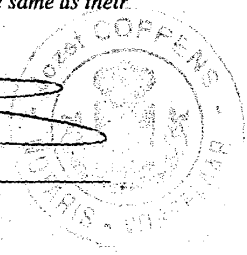
 (L.S.)  
Koen Van Aken

STATE OF  
COUNTY OF

BE IT REMEMBERED, That on this 21 day of December, 1999, before me, a Notary Public, personally appeared Marc de Jonge, Jan Heeres, Paul Janssen, Lucien Koymans and Koen Van Aken, who I am satisfied are the persons named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.




Notary Public



APOSTILLE  
(Convention de La Haye du 5 octobre 1961).

1. Land: België  
Deze openbare akte  
2. is ondertekend door G. J. Coffens  
3. handelende in hoedanigheid van Notaris  
4. is voorzien van het zegel / stempel van Namelen

Voor echt verklaard **11-01-2000**  
5. te Brussel  
6. de  
7. door het Ministerie van Buitenlandse Zaken,  
Buitenlandse Handel en Ontwikkelingssamenwerking  
8. onder nr. **32291**  
9. :   
10. Ondertekening: 